

Amendment Dated April 30, 2007
Serial No. 10/646,024

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IN THE CLAIMS

Claim 1. (Original) A method for facilitating roaming between domains, comprising:

providing preliminary connectivity to a first wireless user on a first wireless network in a first wireless domain, said first wireless network not including a home agent associated with the first wireless user;

receiving identifying information and registration information associated with the first wireless user on the first wireless network;

sending the identifying information and registration information to a second domain containing the home agent associated with the first wireless user;

receiving an access result from the second domain; and

selectively granting access to the wireless user to enable the wireless user to gain admittance on the first wireless network based on the access result.

Claim 2. (Original) The method of claim 1, wherein the registration information comprises home agent identifying information associated with the home agent.

Claim 3. (Original) The method of claim 2, wherein the home agent identifying information is not encrypted when received by the first wireless network, and wherein the identifying information is encrypted when received by the first wireless network, and wherein the first wireless network does not decrypt the identifying information prior to transmitting the identifying information to the second network.

Claim 4. (Original) The method of claim 1, wherein the registration information comprises foreign agent identifying information associated with a foreign agent in the first wireless domain configured to receive communications on behalf of the wireless user.

Claim 5. (Original) The method of claim 1, wherein the registration information comprises home agent identifying information associated with the home agent, and foreign agent identifying information associated with a foreign agent in the first wireless domain configured to receive communications on behalf of the wireless user.

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Claim 6. (Currently Amended) The method of claim 1, further comprising assigning by the first wireless domain a foreign agent in the first wireless domain configured to receive communications on behalf of the wireless user.

Claim 7. (Original) The method of claim 6, wherein sending further comprises sending foreign agent identifying information to the second domain.

Claim 8. (Original) The method of claim 7, wherein the home agent is configured to receive communications on behalf of the wireless user and forward the communications to the foreign agent based on the foreign agent identifying information.

Claim 9. (Original) The method of claim 1, wherein the identification information comprises an user ID and password.

Claim 10. (Original) The method of claim 9, wherein the identification information further comprises a token.

Claim 11. (Original) The method of claim 1, wherein receiving identifying information and registration information further comprises receiving conceptual information associated with a virtual private network (VPN).

Claim 12. (Original) The method of claim 11, further comprising providing access to the wireless user by the first wireless network to the VPN associated with the conceptual information.

Claim 13. (Currently Amended) A wireless access point, comprising:
control logic stored on a computer readable medium for execution in a processor, the control logic being configured to:
provide preliminary connectivity to a first wireless user on a first wireless network in a first wireless domain, said first wireless network not including a home agent associated with the first wireless user;

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receive identifying information and registration information associated with the first wireless user on the first wireless network;

send the identifying information and registration information to a second domain containing the home agent associated with the first wireless user;

receive an access result from the second domain; and

selectively grant access to the wireless user to enable the wireless user to gain admittance on the first wireless network based on the access result.

Claim 14. (Original) The wireless access point of claim 13, wherein the registration information comprises home agent identifying information associated with the home agent.

Claim 15. (Original) The wireless access point of claim 14, wherein the home agent identifying information is not encrypted when received by the first wireless network, and wherein the identifying information is encrypted when received by the first wireless network, and wherein the wireless access point is configured to not decrypt the identifying information prior to transmitting the identifying information to the second network.

Claim 16. (Original) The wireless access point of claim 13, wherein the registration information comprises foreign agent identifying information associated with a foreign agent in the first wireless domain configured to receive communications on behalf of the wireless user.

Claim 17. (Original) The wireless access point of claim 13, wherein the registration information comprises home agent identifying information associated with the home agent, and foreign agent identifying information associated with a foreign agent in the first wireless domain configured to receive communications on behalf of the wireless user.

Claim 18. (Original) The wireless access point of claim 13, wherein foreign agent identifying information identifies the wireless access point.

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Claim 19. (Original) The wireless access point of claim 13, wherein the foreign agent identifying information identifies a network device in the first domain other than the wireless access point